



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/814,663	03/22/2001	Jin Guo	LX00083	7673

20280 7590 12/18/2003

MOTOROLA INC
600 NORTH US HIGHWAY 45
LIBERTYVILLE, IL 60048-5343

EXAMINER

WONG, ALBERT KANG

ART UNIT PAPER NUMBER

2635

DATE MAILED: 12/18/2003

4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/814,663

Applicant(s)

GUO, JIN

Examiner

Albert K Wong

Art Unit

2635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 28-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 28-43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Art Unit: 2635

1. This Office action is in response to the application filed March 22, 2001 and preliminary amendment filed October 23, 2003. Claims 28-43 are pending.

2. The disclosure is objected to because of the following informalities: The specification is filled with inconsistent language and references. It is difficult to understand the invention and presents a source of ambiguity. The following examples are merely exemplary and should not be interpreted as the only deficiencies. There are simply too many errors. It is suggested that applicant carefully proofread the specification and submit an appropriate substitute specification to correct the numerous errors. On page 10, "symbols 22" is referred to as being related to the Pinyin alphabet and later as the Roman alphabet. Later the Pinyin alphabet is referred to as having the same twenty-six letter characters as the Roman alphabet. Thus, there is confusion as to the meaning of the word symbol and character. Further, there is a reference to Roman letters on the same page. It is noted that item 22 is later referred to as group symbols and final symbols (see page 11). The use of different references to refer to the same item number adds to the confusion in the specification. Page 11, lines 7 does not make sense. On page 11, line 18, item 32 is referred to as a third set. This is inconsistent with item 32 as shown in Figure 2. The specification refers to basic characters, but this is not clearly defined. On page 12, lines 20-21, there is reference to second group single character symbols (A,O,E,I,U and V) which are split into three sets 32. Item 32 is shown in Figure 2 and includes none of the character symbols.

Appropriate correction is required.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Art Unit: 2635

4. Claims 28-43 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 28-32, the terms "one syllable initial symbol" and "one syllable semi-initial symbol" are indefinite. The terms have no plain meaning and is not defined by the specification. The specification refers to initial symbol groups and sets.

Regarding claims 32, 36, the term "syllable final symbols" is not defined in the specification.

Regarding claims 33-37, the term "two syllable initial symbols" is indefinite. The term has no plain meaning and is not defined by the specification.

Regarding claim 36, the term "syllable final symbols" is not defined in the specification.

Regarding claims 38-43, the terms "two syllable initial symbols" and "syllable final symbol" are not defined in the specification.

Regarding claim 40, the term "syllable semi-initial symbol" is not defined in the specification.

Regarding claim 41, the term "independent symbol" is not defined in the specification.

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claims 28-43 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with

Art Unit: 2635

which it is most nearly connected, to make and/or use the invention. The specification fails to teach a keypad with syllable initial symbols, syllable semi-initial symbols, and syllable final symbols.

7. Due to the rejections under 35 U.S.C. 112, first and second paragraphs, no prior art rejection is appropriate at this time. However, it is noted that the Yang reference teaches a keypad for entering phonetic Chinese symbols and Bernath teaches an alphabetic keyboard for entering phonetic Chinese symbols. The other art cited illustrate other methods of entering Chinese-language and other languages on a keyboard.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Albert K Wong whose telephone number is 703-305-8884. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached on 703-305-4704. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.



Albert K. Wong
December 7, 2003